SEQUENCE LISTING

<110> Japan Science and Technology Agency

<120> Gene participating in the synthesis of brassinosteroid

<130> 26352U (PS03-311PCT)

<160> 6

<170> PatentIn version 3.1

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Pro Lys Phe Pro His Gly Ser Leu Gly Trp Pro Val Ile Gly Glu Thr
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Ile Glu Phe Val Ser Ser Ala Tyr Ser Asp Arg Pro Glu Ser Phe Met
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Asp Lys Arg Arg Leu Met Tyr Gly Arg Val Phe Lys Ser His Ile Phe
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Gly Thr Ala Thr Ile Val Ser Thr Asp Ala Glu Val Asn Arg Ala Val
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Leu Gln Ser Asp Ser Thr Ala Phe Val Pro Phe Tyr Pro Lys Thr Val
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Arg Glu Leu Met Gly Lys Ser Ser Ile Leu Leu Ile Asn Gly Ser Leu
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His Arg Arg Phe His Gly Leu Val Gly Ser Phe Leu Lys Ser Pro Leu
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Leu Lys Ala Gln Ile Val Arg Asp Met His Lys Phe Leu Ser Glu Ser
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Met Asp Leu Trp Ser Glu Asp Gln Pro Val Leu Leu Gln Asp Val Ser
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Lys Thr Val Ala Phe Lys Val Leu Ala Lys Ala Leu Ile Ser Val Glu
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Lys Gly Glu Asp Leu Glu Glu Leu Lys Arg Glu Phe Glu Asn Phe Ile
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Ile Ala Lys Asp Val Val Asp Val Leu Leu Lys Asp Ser Ser Glu His
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Leu Thr His Asn Leu Ile Ala Asn Asn Met Ile Asp Met Met Ile Pro
    290                 295                 300

Gly His Asp Ser Val Pro Val Leu Ile Thr Leu Ala Val Lys Phe Leu
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Ser Asp Ser Pro Ala Ala Leu Asn Leu Leu Thr Lys Asn Met Lys Leu
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Lys Ser Leu Lys Glu Leu Thr Gly Glu Pro Leu Tyr Trp Asn Asp Tyr
            340                 345                 350

Leu Ser Leu Pro Leu Thr Gln Lys Val Ile Thr Glu Thr Leu Arg Met
        355                 360                 365

Gly Asn Val Ile Ile Gly Val Met Arg Lys Ala Met Lys Asp Val Glu
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Ile Lys Gly Tyr Val Ile Pro Lys Gly Trp Cys Phe Leu Ala Tyr Leu
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Arg Ser Val His Leu Asp Glu Ala Tyr Tyr Glu Ser Pro Tyr Lys Phe
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Pro Phe Gly Gly Gly Gln Arg Leu Cys Pro Gly Leu Asp Leu Ala Arg
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Leu Glu Thr Ser Val Phe Leu His His Leu Val Thr Arg Phe Arg Trp
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Asn Ser Lys Thr Lys Asp Gly Asp Glu Glu Glu Asp Asn Glu Glu Lys
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Lys Lys Gly Met Ile Pro Asn Gly Ser Leu Gly Trp Pro Val Ile Gly
65 70 75 80

Glu Thr Leu Asn Phe Ile Ala Cys Gly Tyr Ser Ser Arg Pro Val Thr
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Phe Met Asp Lys Arg Lys Ser Leu Tyr Gly Lys Val Phe Lys Thr Asn
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Ile Ile Gly Thr Pro Ile Ile Ile Ser Thr Asp Ala Glu Val Asn Lys
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Pro His Gln Lys Arg Leu His Thr Leu Ile Gly Ala Phe Leu Arg Ser
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Pro His Leu Lys Asp Arg Ile Thr Arg Asp Ile Glu Ala Ser Val Val
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Glu Ile Lys Lys Met Thr Phe Glu Ile Leu Val Lys Val Leu Met Ser
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Phe Ile Lys Gly Leu Ile Cys Ile Pro Ile Lys Phe Pro Gly Thr Arg
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Leu Tyr Lys Ser Leu Lys Ala Lys Glu Arg Leu Ile Lys Met Val Lys
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Lys Val Val Glu Glu Arg Gln Val Ala Met Thr Thr Thr Ser Pro Ala
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Asn Asp Val Val Asp Val Leu Leu Arg Asp Gly Gly Asp Ser Glu Lys
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Gln Ser Gln Pro Ser Asp Phe Val Ser Gly Lys Ile Val Glu Met Met
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Ile Pro Gly Glu Glu Thr Met Pro Thr Ala Met Thr Leu Ala Val Lys
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Phe Leu Ser Asp Asn Pro Val Ala Leu Ala Lys Leu Val Glu Glu Asn
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Met Glu Met Lys Arg Arg Lys Leu Glu Leu Gly Glu Glu Tyr Lys Trp
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Thr Asp Tyr Met Ser Leu Ser Phe Thr Gln Asn Val Ile Asn Glu Thr
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Leu Arg Met Ala Asn Ile Ile Asn Gly Val Trp Arg Lys Ala Leu Lys
385                 390                 395                 400

Asp Val Glu Ile Lys Gly Tyr Leu Ile Pro Lys Gly Trp Cys Val Leu
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Ala Ser Phe Ile Ser Val His Met Asp Glu Asp Ile Tyr Asp Asn Pro
            420                 425                 430

Tyr Gln Phe Asp Pro Trp Arg Trp Asp Arg Ile Asn Gly Ser Ala Asn
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Ser Ser Ile Cys Phe Thr Pro Phe Gly Gly Gly Gln Arg Leu Cys Pro
    450                 455                 460

Gly Leu Glu Leu Ser Lys Leu Glu Ile Ser Ile Phe Leu His His Leu
465                 470                 475                 480

Val Thr Arg Tyr Ser Trp Thr Ala Glu Glu Asp Glu Ile Val Ser Phe
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